

A CATALOGUE OF THE BIRDS IN THE COLLECTION OF BOMBAY NATURAL HISTORY SOCIETY-36: MOTACILLIDAE

SARASWATHY UNNITHAN
[Continued from Vol. 89 (1): 71]

This part covers 1022 specimens of 41 species and subspecies, Nos. 1852 -1891 in the INDIAN HANDBOOK and SYNOPSIS and 6 extra limitals. Of the 41 from Indian limits we have no specimens of 6 forms (1 species and 5 subspecies).

1852. **Anthus hodgsoni hodgsoni** Richmond
(Calcutta) Indian Tree Pipit 3:281, 282

52: 26 males 13 females 13 o?

1 Chitral, 1 Dakuri, 2 Dharmasala, N.W.H.; 2 Badrinath, Garhwal; 1 Bharatpur, Rajasthan; 2 Mahabaleswar, Maharashtra; 1 Barkot, Bamra, Orissa; 1 Baghowani, Darbhanga; 1 Rangpo, 1 Rinchinpong, W. Sikkim, 3 Chungthang, Lachung, N. Sikkim; 4 Gedu, 2 Sanchi, 1 Honku, W. Bhutan, 5 Bumthang, 2 Mangdechu, 2 Gyetsa, 1 Shamgong, 1 Batase, 1 Tama, C. Bhutan, 3 Gomchu, 1 Rongtong, 4 Narphong, 3 Wamrong, 1 Deothang, C. Bhutan; 1 Tirap; 1 *Nyenyam*, S. Tibet; 1 *Kamaing*, Burma, 1 *Hai Bum*, 1 *Prome*, Burma.

Measurements on p. 355.

1853. **Anthus hodgsoni yunnanensis** Uchida & Kuroda (Yunnan) Siberian Tree Pipit 3:283

47: 22 males 19 females 6 o?

1 Simla; 1 Mahal, Surat Dangs, S. Gujarat; 1 Bhanupratappur, Kanker, C.P., 1 Kameli, Bailadila Dt., Bastar, C.P.; 1 Molem, Goa; 1 Wynaad, S. India, 1 Padagiri, Nelliampathy Hills, Cochin, 1 Mt. St. Mary, 1 Kodaikanal; 1 Lankapakhala, 1 Sileru, Vizag; 1 Mahendragiri, 1 Keonjhargarh env., 3 Badrama, Bamra, 1 Upper Barakamara, Simlipal, Orissa; 1 Banares; 1 Manjhaul, Monghyr Dt., Bihar; 2 Singtam, Teesta Valley, 3 Temi, W. Sikkim; 1 Goalpara, Assam, 1 Sadiya, Upper Assam; 1 Mishing, Abor Exp. 1 Miao, Arunachal Pradesh; 10 *Temple of Heaven*, Peking, 1 *Singhaling*, 1 *Pantha*, E. Bank, 1 *Tagalka*, 1 *Shurdaung*, *Prome Dt.*, 1 *Tanyagyi*, *Sadoway Dt.*, 1 *Sadoway Dt.*, 1 *Pumsin* 1 *Henzada Dt.*, Burma; 1 no locality.

Measurements on p. 355.

1854. **Anthus trivialis trivialis** (Linnaeus) (Sweden)
European Tree Pipit 3:279

49: 19 males 17 females 13 o?

5 *Hawiplain*, 3 *Nahr Umar*, L. Bank of River Tigris, 1 *Feluja*, R. Euphrates, Mesopotamia, 1 *Randha*, *Tauhat*, 1 *Basra*, 1 *Tomb Island*, P. Gulf, 1 *Dnsdab*, S.E. Sistan, Persia; 1 Keonthal St., 1 Koti St., 1 Simla, N.W.H.; 1 Daryapur, 2 Amabala, Punjab; 1 Ranikhet, 1 Delhi, 1 Ganges Canal, Meerut; 2 Dhari, Amreli Dt., Kathiawar, 1 Songadh, Navsari Dt., Gujarat, 1 Cambay City Env., 1 Chikhli, 1 Sarwar, 2 Malegaon, 1 Pandwa, Surat Dangs,

1 Bagh, 2 Surwaya, Gwalior St., 1 Mathar, Narmada Valley, Bhopal St., 2 Karera Dt., Shivpuri, M.P., 1 Geedam, Bastar Dt.; 1 Chikalda, Berar, 1 Ghoti, 1 Nasik, 1 Raita, Kalyan, 1 Bhiwandi, 1 Thana Dt., 1 Pali Hill, 1 Santacruz, Bombay, 1 Mehda, Satara, 1 Rajapur, Ratnagiri; 1 Molem, Goa.

Measurements on p. 355.

1855. **Anthus trivialis haringtoni** Witherby
(Gittidas, Kaghan Valley) Witherby's Tree Pipit 3: 280

37: 8 males 23 females 6 o?

5 Chitral, 2 Nawashahar, 1 Shikohpur, Jullunder; 1 Simla; 2 Keonthal State, 1 Koti State, N.W.H.; 2 Ambala, Punjab; 1 Almora, 3 Delhi; 2 Bharatpur; 1 Bhind, Gwalior State; 2 Bhivandi, 1 Wada, 1 Thana, 1 Vehar Lake, Salsette, 1 Kihim, Kolaba, 1 Walwan, Lona, Poona, 1 Satara; 1 Dhakna, 1 Beesaam, Kolkaz, 2 Raipur; Melghat, Berar, 1 Deglur, Nader Dt., 1 Palemani, N. Kanara; 2 Sankrametta, Vizag.

Measurements on p. 355.

1856. **Anthus pratensis** (Linnaeus) (Sweden)
Meadow Pipit 8:661
nil.

1857. **Anthus novaeseelandiae richardi** Vieillot
(France) Richard's Pipit 3:288

11: 4 males 6 females 1 o?

1 Bakri, Monghyr Dt., Bihar; 1 Bharatpur; 1 Chanderi, Gwalior st. C.I.; 1 Chembur Katchrapati, 1 Bhiwandi, 1 Salsette, 1 Nr. Thana; 1 Karwar, 1 N. Kanara; 1 Trivandrum env., Vellayani Lake; 1 *Prome*, Burma.

Measurements on p. 355.

1858. **Anthus novaeseelandiae waitei** Whistler
(Jhelum, Punjab) Northwestern Paddyfield Pipit 3: 290

31: 17 males 12 females 2 o?

1 Lahore, 1 Keonthal St., 1 Darazpur, 1 Ambala, Punjab; 1 Almora, 1 Delhi; 2 Bharatpur, 1 Bhimal, Jodhpur, Rajputana; 1 Rapar, 1 Ratnal, 1 Bhuj, 1 Godsar, Bhuj env., 2 Mandvi, Kutch, 1 Pariaj, Kaira Dt. 1 Mithapur, Okhamandal, Kathiawar, 1 Bodeli, Baroda Dt., 1 Golana, Cambay St., 1 Chinchli, Surat Dangs; 1

Sonawani, Balaghat Dt., 1 Saugar, C.P., 1 Jaithari, Bhopal, 1 Choli Tank, nr. Mandelshwar, Indore, 1 Ratlam, C.I., 1 Chanderi, Gwalior; 5 Kanpur.

Measurements on p. 355.

1859. **Anthus novaeseelandiae rufulus** Vieillot
(Bengal) Indian Paddyfield Pipit 3:290

57: 21 males 30 females 6 o?

1 Ghana Sanctuary, Bharatpur, 1 Bombay City, 2 The Esplanade, 1 Thana, 2 Pali Hill, Bandra, 1 Andheri, Salsette, 3 Santacruz, 1 Trombay, 1 Panchagini, 1 Chikalda, Berar, 1 South Konkan; 1 Santgal, N. Kanara, 1 Hikkeri, Sagar, 1 Shenemenalla, 3 Edbuthi, 1 Billaj, Billigirirangan Hills, 1 Mysore; 1 Mercara, Coorg, 3 Shevaroy Hills, S.I., 1 Madras; 1 Jeypore agency, 1 R.V. Nagar, Vizag; 1 Mavalam, Sriharikotta, 5 Godavari Delta, 1 Bausuri, 1 Anantapur, Keonjhar, 2 Balasore, 1 Simlipal Hills, Orissa; 1 Maniktala, Calcutta; 1 Cachar, 2 Shillong, Assam; 1 Samchi, W. Bhutan; 1 *South Shan States*, 1 *Prome*, 1 *Thayatmyo Dt.*, 1 *Sandoway Dt.*; 1 *Ataran*, 1 *Myoguain*, 3 *Henzada Dt.*; 2 no locality.

Measurements on p. 355.

1860. **Anthus novaeseelandiae malayensis** Eyton
(Malaya) Malay Paddyfield Pipit 3:290,292

17: 12 males 5 females .

1 Wadakkancheri, 2 Perumalmalai, Palani Hills, 1 Thattakkadu, 1 Santanpara, Cardamom Hills, 3 Peerumadu, 1 Kumili High Range, 1 Kumili, Periyar Lake, 1 Thekkady, 2 Golf Links, Trivandrum, 2 Muthukuzhy, Ashambu Hills, Travancore, 1 Cape Comerin; 1 Ceylon.

Measurements on p. 355-356.

1861. **Anthus campestris campestris** (Linnaeus)
(Sweden) Tawny Pipit 3:292,293

85: 50 males 26 females 9 o?

1 *Helonan*, *Egypt*, 1 *Rt Bank of R. Tigris*, 1 *Feluja*, *Mesopotamia*, 1 *Sheiksaad*, 1 *Lejait*, *Euphrates*, 3 *Siyahad*, 1 *Halul Island*, *Persian Gulf*; 2 *Campbellpur*, Punjab, 1 *Koti State*, 1 *Tara Devi*, *Keonthal State*, 2 *Shali Peak*, *Bhajji State*, 4 *Ambala*, 2 *Bhung*, *Bahawalpur State*, 1 *Lal Sohara*, 2 *Harunabad*, 1 *Bahawalpur tn. env.*, 1 *Dadu*, *Larkana*, *Sind*, 2 *Khahi*, *Thar & Parkar Dt.*, *Sind*, 1 *Bela Island*, 1 *Rapar*, 2 *Bhujia Fort*, 1 *Bhachau*, 4 *Manjal*, *Nakhatrama Dt.*, 1 *Khavda*, *Pachham Island*, 6 *Kharirohar*, 1 *Kutch*, 1 *Radhanpore*, *N. Guj.*, 1 *Deesa*, *Palanpore St.*, 1 *Patan*, *Mehsana Dt.*, 1 *Nadiad tn. env.*, 1 *Bodeli*, *Baroda Dt.*, 1 *Dohad*, 4 *Dwarka*, *Okhamandal*, 2 *Amreli*, *Kathiawar*, 1 *Kharaghoda*, *Gujarat*; 1 *Satanswara*, 1 *Bhind*, 1 *Badarwas*, 1 *Surwaya*, *Gwalior St.*, 1 *Sanchi*, *Bhopal St. C.I.*, 1 *Jabalpore*, 2 *Meerut*, 2 *Kanpur*; 1 *Chikalda*, *Berar*, 1 *Bassein*, *Thana Dt.*, 3 *Andheri*, 1 *Juhu*, 1 *Salsette*, 1 *Satara*; 2 *N. Kanara*; 1 *Bengasai*, *Foot of Mahendragiri*, 2 *Koira*, *Bonai*, 2 *Keonjhar*, 1 *Badrama*, 1 *Barkot*, *Bamra*, *Orissa*.

36 specimens (23 males, 11 females and 2 unsexed) collected in the month October to March

are with streaks on the breast. They average 2-3 mm less in their wing and tail measurements than the unstreaked specimens.

Measurements on p. 356.

1862. **Anthus campestris kastschenkoi** Johansen
(Novosibirsk, West Siberia) Siberian Tawny Pipit 3:292

nil.

1863. **Anthus godlewskii** (Taczanowski) (Argun River, South Dauria) Blyth's Pipit 3:289

12: 7 males 4 females 1 o?

2 *Kuno*, 2 *Bhind*, *Gwalior St.*, 2 *Jabalpore C.I.*; 1 *Karera*, *Shivpuri Dt.*, *M.P.*; 2 *N. Kanara*; 1 *Aramboli*, *S. Travancore*; 1 *S.E. Everest*, 1 *Kharta*, *S. Tibet*.

The hind claw is longer than the hind toe and according to the key in the HANDBOOK the birds are of this species.

Measurements on p. 356.

1864. **Anthus cervinus** (Pallas) (Siberia)
Redthroated Pipit 3:294

15: 8 males 5 females 2 o?

1 *River Tanhat*, 1 *Aluzabal*, 2 *Feluja*, *R Euphrates*, 1 *Sheikh Saad*, *Mesopotamia*, 1 *Fahama*, *Bagdad*; 1 *Kyithe*, 1 *Tarokmaw*, 2 *Shurdaung*, 1 *Prome*, 1 *Yebank Henzada Dt.*, *Burma*; 1 *Kufri*, *Koti St.*, 1 *Dabka*, *Baroda Dt.*; 1 *Narcondam*.

Young birds have no red on the head, breast or throat. These parts are pale yellowish buff, immaculate on the centre of chin, throat and foreneck, heavily streaked with black on the sides and across the whole breast.

Measurements on p. 356.

1865. **Anthus roseatus** Blyth (Nepal)
Vinaceousbreasted Pipit 3:295

34: 22 males 7 females 5 o?

1 *Dodripass*, *Kishatwar*, 1 *nr Ramdach Pass*, 1 *Hygam*, 1 *Kashmir*, 1 *Kohat*, *N.W.F.P.*; 1 *Murree*, 2 *Asmi River*, *Patiala St.*; 1 *Kufri*, 1 *Koti St.*, 1 *Simla Hills*; 2 *Fagu*, 2 *Keonthal St.*, 5 *Kedarnath*, 2 *Badrinath*, 1 *Gupta Kashi*, *Garhwal*, 1 *Bhim Tal*, *Kumaon*; 3 *Jagadri*, *Punjab*; 2 *Jajjah Abbasian*, *Bahawalpur St.*, 1 *Satanwara*, *Gwalior St.*; 1 *Chungthang*, 1 *Lachen*, *N. Sikkim*; 2 *Tezu*, *Lohit Valley*, *U. Assam*.

Measurements on p. 356.

1866. **Anthus similis decaptus** Meinertzhagen
(Rud-I-Taman, East Persia) Persian Rock Pipit 3:287

23: 9 males 10 females 4 o?

1 *Amara*, *Persia*, 1 *Tang Srgind*, 1 *Mishun Persian Gulf*, 1 *N.E. Baluchistan*, 1 *Harboi*, *Baluchistan*, 1 *Bampur*, *Persian Baluchistan*, 1 *Gusht*, 42 *M N W of Dizak*, *P. Baluchistan.*; 1

Karachi, 1 Campbellpur, W. Punjab; 1 Madhopur, 1 Ambala, Punjab, 1 Keonthal St., 1 Manthar, Cholistan, 2 Bhung, Bahawalpur State, 1 Lal Sohara, Bahawalpur tn. env., 4 Delhi; 1 Bhuj Kutch; 1 Ambarnath, 1 Bawamalang, Kalyan.

Measurements on p. 356.

1867. **Anthus similis jerdoni** Finsch (Kotegurh, northwest Himalaya) Brown Rock Pipit 3:286

20: 12 males 6 females 2 o?

1 Chitral, 1 Taxila, Punjab; 1 Solon, 1 Jutogh, 1 Simla Hills; 3 Ambala, Pujnab; 1 Hamgara, Almora, 1 Hohba, Garhwal, 1 Delhi; 2 Mir, Pachham Island, 1 Mandvi, Kutch, 1 Ajwa, 1 Baroda City env.; 1 Kuno, 2 Satanwara, Gwalior St.; 1 *Pakkokku*.

Measurements on p. 356.

1868. **Anthus similis similis** Jerdon (Jalna) Rufous Rock Pipit 3:285

nil.

1869. **Anthus similis travancoriensis** Ripley (Road to Muthukuzhi, Ashambu Hills, Travancore-Cochin State) Kerala Rock Pipit 3: 285

2 males

1 Billigirirangan Hills, Mysore; 1 Muthukuzhi, Ashambu Hills, Travancore.

Both the specimens were identified as *similis* by Salim Ali before the description of *travancoriensis*.

Measurements on p. 356.

1870. **Anthus nilghiriensis** Sharpe (Nilgiri Hills) Nilgiri Pipit 3:283

11: 6 males 4 females 1 o?

1 Mukurti, 2 Avalanche, 1 Parson's Valley, 1 Western Catchment, Nilgiri, 1 Perumalmalai, Palani Hills, 3 Anamudi High Range; 1 Eravikulam, Kerala; 1 no locality.

Measurements on p. 356-357.

1871. **Anthus spinoletta coutellii** Audouin (Egypte) Central Asian Water Pipit 3:297,298

29: 12 males 13 females 4 o?

1 *Hawiplain*, *Samarra*, *Mesopotamia*, 1 *Pir-i-Bann*, 1 *Aliabad*, *Shiraz*, 1 *Sheik Saad*, 1 *Chaman*, 1 *Quetta*, *Baluchistan*; 3 *Hygam*, *Kashmir*, 1 *Chitral*, 2 *Peshawar*, 1 *Chhoi*, nr. *Campbellpur*, 2 *Campbellpur*, 1 *Kohat*, 1 *Bhong*, *Indus Riverine*, 1 *Rawalpindi*, 2 *Fagu*, *Keonthal St.*, 1 *Simla*; 2 *Bahawalpur tn. env.*, 1 *Pithoro*, *Sind*; 4 *Peking*.

Most of the specimens are marked by earlier workers as *blakistoni*=*coutellii*.

Measurements on p. 357.

1872. **Anthus spinoletta japonicus** Temminck & Schlegel (Japan) Japanese Water Pipit 3: 299

1 male from *Maymyo*, *Burma*.

Measurement on p. 357.

1873. **Anthus sylvanus** (Hodgson) (Nepal)

Upland Pipit 3:299

19: 10 males 6 females 3 o?

1 *Sha Peak*, *Bhajji St.*, 1 *Koti St.*, 1 *Fagu*, 8 *Simla*, 1 *Simla Hills*, 1 *Keonthal St.*, *N.W.H.*; 1 *Mussorrie*, 1 *Pologrounds*, *Mussorrie*, 1 *Gupta Kashi*, 2 *Pipal Kotki*, *Chamoli*, *Garhwal*; 1 no locality.

Measurements on p. 357.

1874. **Motacilla indica** Gmelin (India)

Forest Wagtail 3:276

18: 8 males 6 females 4 o?

1 *Waghai*, *Surat Dangs*; 1 *Molem*, *Goa*; 1 *Jog Falls*, 1 *Kadra*, 3 *Karwar*, 2 *N.Kanara*; 1 *Kumili*, *Periyar Lake*; 1 *Mongwa*, *Darbhangha*, *Bihar*; 1 *Thugapur*, *Mayabunder*, *N. Andaman*, 1 *Interview Islands*, *Andaman*, 1 *Narcondam*; 1 *Kyaugin Pier*, *Henzada Dt.*, 1 *Pegu*, *Yoma*, *Lower Burma*, 2 *Peking*, *China*.

In key to the species in INDIAN HANDBOOK this is included among those with "some yellow in the plumage", but no yellow is visible in any specimens, the last ones being dated 13th and 17th February, 1980.

Measurements on p. 357.

1875. **Motacilla flava thunbergi** Billberg (Lapland) Greyheaded Yellow Wagtail 3:269

42: 22 males 16 females 4 o?

1 *Lule Lapp*, 1 *Finmarken*, *Copenhagen Museum*, 2 no locality, *Copenhagen Museum*, 1 *Norway*, 1 *W. Kazakhstan*, 1 *Fahama*, *Bagdad*, 1 *Feluja*, *R. Euphrates*, *Mesopotamia*; 2 *Jagadhri*, 1 *Ambala*, *Punjab*; 1 *Delhi*, 1 *Hamavas Lake*, *Pali Dt.*, 3 *Bharatpur*; 1 *Devisar Tank*, *Bhuj environs*, *Pali Dt.*, 1 *Wanoti*, *Bhuj*, *Kutch*, 1 *Vaghjipur*, *Mehsana Dt.*, *Gujarat*; 1 *Choli tank*, *Mandaleswar*, *Indore state*; 1 *Pachora*, *E. Khandesh*, 1 *Juhu*, *Salsette*, 1 *Ratnagiri*; 3 *Thiruvalla*, 4 *Edanad*, *Kerala*; 1 *Barkul*, *Chilka Lake*, *Orissa*; 1 *Calcutta*; 1 *Baghownie*, *Tirhut*, 1 *Manjhoul*, *Monghyr Dt.*, *Bihar*; 1 *Mayabunder*, *N. Andaman*, 1 *Choldhari*, *S. Andaman*, 1 *Narcondam*, 1 *Trinkut*, *Nicobar*; 1 *Henzada Burma*, 3 *Peking*, *China*.

Measurements on p. 357.

1875 a. **Motacilla flava simillima** Hartert (Kamchatka) Short-tailed Greyheaded Yellow Wagtail 8:660

7: 3 males 4 females

2 *U.S.S.R.*, 1 *Jadon Chaung*, *Thayetmyo Dt.*, 2 *Henzada Dt.*, *Burma*; 2 *Edanad*, *Kerala*.

Measurements on p. 357-358.

1876. **Motacilla flava beema** (Sykes) (Dukhun) Blueheaded Yellow Wagtail 3:267

43: 15 males 20 females 8 o?

2 W. Kazakhstan, 2 C. Kazakhstan, 1 Tanb Island, P. Gulf, 4 Mamian, C. Afghanistan, 1 Faizabad, Seistan, Afghanistan; 1 Chitral, 1 Upper Shaksgam, Kashmir, 2 Jagadhri, Ambala, Punjab; 1 Hamavas Lake, Pali Dt., 1 Bharatpur, Rajasthan; 2 Juhu, 1 Andheri, Salsette, 1 Pali Hill, Bandra; 1 Godavari Delta, 1 Cumbum Valley, Kurnool Dt.; 8 Edanad, Chengannur, 2 Thiruvalla, Kerala; 1 Baud, Orissa; 2 Calcutta; 3 Baghownie, Tirhut; 1 Dibrugarh, Assam; 1 Camorta, 1 Trinkut, Nicobar; 1 Henzada Dt., Burma; 1 no locality.

Measurements on p. 357-358.

1877. **Motacilla flava lutea** (Gmelin) (Astrakhan)
Yellowbacked Wagtail
nil.

1878. **Motacilla flava melanogrisea** (Homeyer)
(India)

Turkestan Blackheaded Wagtail 3:272

38: 21 males 11 females 6 o?

1 Central Kazakhstan, 1 Near Alma-Ata, Kazakhstan, 1 Ala Kaul Lake, East Kazakhstan, 1 Feluja, R. Euphrates, Mesopotamia, 2 Katunak, 8 m SW. of Shiraz, 2 Shaikh Saad, 1 Enjeli, 1 Kain, Persia, 1 Tamb Island, P. Gulf; 3 Panjgur, Kalat, 1 near Jidi, Khojdar, Baluchistan, 3 Manthar, Cholistan, Bahawalpur, 1 Pakpattan, 1 Ambala, 1 Daragpur, Punjab; 1 Pithoro, Sind; 1 Sha Hassan, Manchar Lake, Larkana Dt., 2 Delhi, 1 Kanpur; 1 Kutch, W. India, 1 Dholovira, Khadir Island, 1 Jakhan, Kutch; 1 Madhmeshwar, Nasik, 2 Pali Hill, Bandra, 2 Andheri, 1 Juhu, Salsette, 1 Goregaon, Bombay; 1 N. Kanara; 1 no locality.

Measurements on p. 357-358.

1879. **Motacilla flava leucocephala** (Przevalski)
(Altai)

Whiteheaded Yellow Wagtail 3:270
nil.

1880. **Motacilla flava taivana** (Swinhoe) (Formosa)
Greenheaded Yellow Wagtail
nil.

EL. **Motacilla flava flava** Linnaeus (S. Sweden)
The Blue-headed wagtail

5: 2 males 2 females 1 o?

4 from Western Kazakhstan and 1 no locality, Berlin Museum.

Measurements on p. 357-358.

EL. **Motacilla flava campestris** Pall (E. Russia)

2 females from Shaik Saad, Tigris.

Measurements on p. 358.

EL. **Motacilla flava dombrowskii** (Tschusi)
(Roumania)

11: 6 males 2 females 3 o?

5 Feluja, R. Euphrates, Mesopotamia, 4 Shaik Saad, 1

Busra, 1 Qabr.un-nokada Island, Khor Musa.

Vaurie (1959) in 'The Birds of the Palearctic fauna' considers this subspecies as a hybrid.

Measurements on p. 357-358.

1881. **Motacilla citreola citreola** Pallas (Siberia)
Northern Yellowheaded Wagtail 3:273

28: 14 males 9 females 5 o?

2 Chitral, 1 Wana, Waziristan, NWFP; 2 Panjgur, Kalat, Baluchistan, 1 Gwambuk Kaul 50 m south of Panjgur, 1 Dadu, Larkana, Sind; 1 Daragpur, Ambala; 3 Jagadhri, 1 Pakpattan, Punjab; 1 Keonthal state, 1 Koti State, NWH.; 1 Baghownie, Tirhut; 1 Bumthang, C. Bhutan; 1 Bharatpur; 1 Jabalpur, C. India; 1 Kharaghoda, Gujarat; 1 Pali Hill, Bandra, 1 Mud Flats, Sion-Causeway, 1 Goregaon, 1 Tulsi lake, Salsette, 2 Bhaynder Mud Flats, Bombay; 1 Leipanta, Prome Dt., 1 Thayettaw, Henzada Dt., Burma, 1 Peking, China.

Measurements on p. 358.

1882. **Motacilla citreola werae** (Buturlin)
(Sura valley, Simbirsk, Southeastern Russia)

Western Yellowheaded Wagtail 3:273

30: 14 males 8 females 8 o?

1 Kelmen Ridge, Tian-shan, USSR, 1 near Alma-Ata, Kazakhstan, USSR; 2 Chitral, 1 Wana, Waziristan, NWFP; 1 Borgi Pass, Baltistan, 1 Sonamarg, Kashmir; 1 Mulbek, Ladak, 1 Bumni, Ladwa Dt., 1 Ladwa, 1 Jagadhri, 1 Ambala, 1 Rohtak, Punjab; 1 Ruthiai, Gwalior St., C.I.; 1 Godsar, Bhuj environs, Kutch, 1 Ajwa, Baroda Dt.; 1 Andheri, Salsette, 2 Kalyan, 1 Panvel, Kolaba Dt., 1 Edanad, Kerala; 2 Kanpur; 2 Bakhri, 1 Manjhaul, Monghyr Dt., Bihar; 1 Peking, 1 Sughuluk, Kashgar, 1 Kashgar, China; 1 no locality.

Measurements on p. 358.

1883. **Motacilla citreola calcarata** Hodgson (Nepal)
Blackbacked Yellowheaded Wagtail 3:274

18: 13 males 2 females 3 o?

1 Tian-shan, USSR, 1 Kain, Persia; 1 Gilgit, 1 Yusmarg, 1 Hygam, 1 Panamik, 1 Borgipass, Baltistan, 2 Upper Ind Valley, Kashmir, 2 near Suru, Ladak; 3 Jagadhri, Ambala; 1 Bahawalnagar, Bahawalnagar St., Punjab; 1 Simla Hills, NWH., 1 Bharatpur; 1 Phalut, Darjeeling.

Measurements on p. 358.

1884. **Motacilla caspica caspica** (Gmelin)
(Southern shore of Caspian Sea) Grey Wagtail

3:265

64: 37 males 18 females 9 o?

1 Chu-Ilmountains, Kazakhstan, 1 Alma-Ata, USSR, 1 no locality (Russian Museum), 2 Sheikh Saad, 1 Shaiba, 1 Hawiplain, Samarra, Mesopotamia, 1 Tangi-i-Sirha, 36 m NW. of Geh, 1 Geh, Persian Baluchistan; 2 Chitral, 1 Gulabgarh, Kishtwar, 1 Murgo, Kashmir, 1 Tara Devi, 1 Ashni river, Patiala St.; 1 Gama-ki-Hatti, Dharmi St., 1 Jabli, Bhagat St., 1 Koti St., 11 Simla, NWH.; 2 Peora, Almora, 1 Darmar, Ranikhet, 1

Rambara, Kedarnath, 1 Malari, Niti, Garhwal; 1 Mamar village, Sind Valley; 1 Bhimsar Tank, Anjar Dt., Kutch, 1 Surwaya, Gwalior St., C.I.; 1 Antagarh, Bastar Dt. 2 Barkul, Chilka lake, Orissa; 2 Borivli, Salsette, 1 Tulsi lake, 2 Pali Hill, 1 Bandra, 1 Nagotra, Kolaba Dt.; 1 Karwar; 1 Nallamalai Range, S. Kurnool; 2 Shembagnur, 1 Santan Para, Cardamom Hills; 1 Travancore High Range, 1 Maraiyur, Munnar, 1 Travancore, 1 Edanad, Chengannur, Kerala; 4 Narcondam, 1 S. Andaman, 1 Car Nicobar; 1 Pakokku, 1 Khayankchaung, *Thayetmyo Dt., Burma.*

Measurements on p. 358.

1885. **Motacilla alba dukhunensis** Sykes (Dukhun) 3: 257

37: 27 males 7 females 3 o?

1 *Sha saud*, 1 *Siyahad*, 1 *Sheih Saad*, 1 *Tehran-Kasvin Road, Persia*, 1 *Ranta river, Persian Baluchistan*; 3 Chitral, 1 Kishtwar, 1 Nishant Bagh, Dal lake, Kashmir, 1 Bahawalpur, 1 Gama-ki-hatti, Dharmi St.; 1 Garhwal, 2 Delhi, 1 Kanpur; 1 Guna, Gwalior St., 1 Jabalpur; 1 Anantapur, Orissa; 1 Bhopalpatnam, Bastar Dt.; 1 Bhuj, 1 Kutch, 1 Bodeli, Baroda Dt.; 1 Kalyan, Thane, 1 Juhu, 2 Pali Hill, Bandra, 3 Santacruz, 1 Kurla, 1 Backbay, Colaba, Bombay, 1 Nagotra, Kolaba, 1 Mehda, Satara, 1 Harnai, 1 Ratnagiri; 1 Cumbum Valley, Kurnool Dt.

Measurements on p. 358-359.

1886. **Motacilla alba personata** Gould (Bengal) Masked Wagtail 3:259

38: 15 males 17 females 6 o?

1 *Shiraz, Persia*, 2 *Gusht, Persian Baluchistan*; 3 Wana, Waziristan; 1 Kilia, Drosh, 8 Chitral, 1 Gilgit, 1 Kashmir; 1 Bahawalpur tn. env., 2 Ambala, Punjab, 1 Kandaghat, Patiala St.; 3 Simla, N.W.H.; 1 Garhwal, 1 Ramgarh, Naini Tal, 2 Kanpur; 3 Bharatpur; 1 Koyna, Maharashtra; 1 Kodambakkam, Chingelpet Dt., Madras; 1 Nahar, Madhubani, 1 Baghownie, Darbhanga Dt., Bihar; 1 Sadiya, Upper Assam; 1 Bumthang, C. Bhutan; 1 *Kashgar, China.*

Measurements on p. 358-359.

1887. **Motacilla alba alboides** Hodgson (Nepal) Hodgson's Pied Wagtail 3:262

22: 18 males 2 females 2 o?

1 Chitral, 1 Kashmir Valley, 1 Taukse, Ladak, 1 Jagadri, 1 Mubarikpur, 4 Chandigarh, Ambala Dt., 4 Baurpa, Niti Pass, Garhwal; 1 Tezu, Lohit Valley, 1 Sadiya, U. Assam; 1 Gedu, West Bhutan, 1 Bumthang, Central, 1 Narphong, East, 3 Rongtong, East Bhutan; 1 Miao, Tirap Division, Arunachal Pradesh.

Measurements on p. 358-359.

1888. **Motacilla alba leucopsis** Gould (India) Whitefaced Pied Wagtail 3:264

7: 3 males 4 females

1 Somatipur, Bihar; 1 *Gamon Chaung, Sandoway Dt., 1 Tarobman, Prome*, 1 *Toungoo*, 1 *Legongyi, Henzada Dt.*, 1 *Thanichaung forest, Thayetmyo*, 1 *Burma.*

Measurements on p. 358-359.

1889. **Motacilla alba ocularis** Swinhoe (Amoy, China) Streaked Pied Wagtail 3:261

2 males from *Peking, China.*

Measurements on p. 359.

1890. **Motacilla alba baicalensis** Swinhoe (Eastern Asia-Lake Baikal) Swinhoe's Pied Wagtail 3:260

25: 14 males 10 females 1 o?

1 *Sheik Saad*, 1 *Sistan Delta*, 1 *Pul-i-Fasa, 12 m E. of Shiraz, Persia*; 2 Wana, Waziristan; 3 Chitral, 1 Hygam, Kashmir; 1 Shikohpur, Jullunder, 1 Ambala; 1 Chachran, Bahawalpur St., 1 Fagu, Keonthal St., 1 Dadu, Larkana, Sind.; 1 Delhi, 2 Meerut, 1 Kanpur; 1 Bharatpur; 1 Kutch; 1 Ratlam, C.I.; 2 Baghownie, Tirhut, 1 Madhubani, Bihar; 1 Narphong, E. Bhutan.

Measurements on p. 359.

EL. **Motacilla alba alba** Linnaeus

5: 3 males 2 o?

1 *Sheik Saad*, 2 *Aliabad (Karabagh) 13m SE. of Shiraz, Persia*, 1 *Geh*, 1 *Magas, P. Baluchistan.*

Measurements on p. 359.

EL. **Motacilla alba persica** Blanford (Niris east of Shiraz)

1 Unsexed from *Shustar, S. Persia.*

EL. **Motacilla alba lugens** Gloger (Kamchatka)

1 male from *Suminoe, Osaka, Japan.*

Measurement on p. 359.

1891. **Motacilla maderaspatensis** Gmelin (India = Madras) Large Pied Wagtail 3:263

26: 17 males 9 females

1 Jagadri, 2 Chandigarh, Ambala, 1 E. Dehradun, 1 Bageswar, Almora; 1 Kuno, Gwalior, 1 Mt. Abu; 1 Godsar, Bhuj env., Kutch; 2 Koyna River Valley, Maharashtra, 2 Ratnagiri; 1 Karwar, 1 Kadra, Kanara, 1 Ulavi, Sagar, Mysore; 1 Freserpet, Kushalnagar, N. Coorg, 2 Santhanpara, Cardamom Hills; 2 Travancore, 1 Kanyakumari Dt., 1 Kalai, Trichinopoly, 1 Gingee, S. Arkot; 1 Koduru, S. Cuddapah; 2 Barkul, Chilka lake, 1 Ramgarh, Band, Orissa.

Measurements on p. 359.

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From 1992-94, British Museum (Natural History) gave us 3 loans of 16 species and subspecies of *Anthus* specimens from their collection to compare with our specimens. The help is gratefully acknowledged.

Part 36

	Wing	Bill	Tarsus	Tail
1852-53. <i>Anthus hodgsoni</i> subspp.				
Male				
<i>hodgsoni</i> (26)	75-91 av. 83.1 (IH 79-90)	11-12 av. 11.4 from skull 13-16	20-23.5 av. 20.9 20-22	56-60 av. 58.6 53-68)
<i>yunnanensis</i> (22)	78-87 av. 83.5 (IH 81-90)	10-11 av. 10.6 from skull 13-15	19.5-22 av. 20.8 20-22	54-65 av. 60.2 51-66)
Female				
<i>hodgsoni</i> (13)	79-85 av. 81.2 (IH 77-85)	10.4-14 av. 11.1 from skull 14-16	20-22.5 av. 21.2 20-22	56-63 av. 58.7 50-67)
<i>yunnanensis</i> (19)	78-87 av. 83.9 (IH 77-86)	10-11.7 av. 10.8 from skull 13-15	19.5-22 av. 20.8 20-22	54-65 av. 60.2 52-62)
1854-55. <i>Anthus trivialis</i> subspp.				
Male				
<i>trivialis</i> (19)	84-90 av. 86.4 (IH 82-95)	10-11.9 av. 11.03 from skull 13-15	20-22 av. 20.9 20-22	58-67 av. 61.6 50-68)
<i>haringtoni</i> (8)	81-88 av. 85.8 (83-94)	10.6-12 av. 11.3 from skull 14-16	20-22 av. 20.9 20-22	56-64 av. 60.1 54-63)
Female				
<i>trivialis</i> (17)	81-90 av. 86.06 (IH 80-90)	10-12 av. 10.9 from skull 13-15	20-22 av. 20.9 19-21	57-64 av. 60.7 51-65)
<i>haringtoni</i> (23)	81-89 av. 83.6 (IH 83-91)	10-11.5 av. 10.9 from skull 14-16	19-22.5 av. 20.7 20-22	55-62 av. 58.7 54-64)
1857-60. <i>Anthus novaeseelandiae</i> subspp.				
Male				
<i>richardi</i> (4)	93-99 av. 95.7 (IH 89-102)	14-15 av. 14.4 from skull 16-21	30-32.5 av. 30.6 28-33	72-75 av. 73.7 63-78)
<i>waitei</i> (17)	78-84 av. 81 (IH 76-86)	11.5-13.5 av. 12.5 from skull 15-17	24.5-28 av. 26.3 24-27	54-65 av. 57.7 49-56)
<i>rufulus</i> (21)	75-83 av. 79.5 (IH 77-87)	12-13.5 av. 12.7 from skull 16-18	23.8-27.5 av. 25.8 24-28	53-60 av. 56 50-60)
<i>malayensis</i> (12)	77-84 av. 80.8 (IH 77-87)	12.5-14.1 av. 13.2 from skull 16-18	24.5-27.5 av. 26 24-28	52-59 av. 56.2 51-62)
Female				
<i>richardi</i> (6)	93-99 av. 95.7 (IH 86-97)	14-15 av. 14.4 from skull 15-19	30-32.5 av. 30.6 28-33	72-75 av. 73.7 62-72)
<i>waitei</i> (12)	78-84 av. 81 (IH 75-82)	11.5-13.5 av. 12.5 from skull 15-17	24.5-28 av. 26.3 24-27	54-69 av. 57.7 49-56)
<i>rufulus</i> (30)	74-84 av. 78.1 (IH 74-84)	12-14 av. 12.9 from skull 16-18	24.5-26.7 av. 25.4 24-28	51-58 av. 54 50-60)

	Wing	Bill	Tarsus	Tail
<i>malayensis</i> (5)	74-81 av. 77.2 (IH 74-84)	13.1-13.6 av. 13.3 from skull 16-18	23.5-26 av. 25.1 24-28	50-57 av. 53.8 50-60)
1861. <i>Anthus compestris</i> subsp.				
Male <i>compestris</i> (50)	81-94 av. 88.5 (IH 88-101)	13-15 av. 13.8 from skull 18-20	24.5-27.6 av. 25.8 25-28	62-75 av. 66.9 61-76)
Female <i>compestris</i> (26)	77-89 av. 85 (IH 82-91)	13-15 av. 14 from skull 17-20	24.5-27.5 av. 25.6 24-26	54-71 av. 64.1 59-60)
1863. <i>Anthus godlewskii</i>				
Male (7)	89-94 av. 91.1 (IH 90-97)	12.6-14.5 av. 13.7 from skull 16-18	24-27.5 av. 26.1 25-28	60-70 av. 64.8 62-70)
Female (4)	88-92 av. 89.5 (IH 84-93)	12.8-14 av. 13.8 from skull 16-18	25.5-27.5 av. 26.3 24-27	63-70 av. 66.7 59-69)
1864. <i>Anthus cervinus</i>				
Male (8)	79-89 av. 84.2 (IH 83-90)	11.3-12.7 av. 12 from skull 14-15	20.5-23 av. 22 21-22	55-61 av. 58.6 49-56)
Female (5)	80-87 av. 81.1 (IH 79-87)	11.1-12.5 av. 11.7 from skull 14-15	21-24 av. 22.2 21-22	50-59 av. 54 47-55)
1865. <i>Anthus roseatus</i>				
Male (22)	81-96 av. 87.2 (IH 84-96)	11-13 .5 av. 12.5 from skull 15-17	21-25.2 av. 23 22-24	58-70 av. 65.2 57-69)
Female (7)	80-84 av. 82 (IH 79-87)	11-13 av. 11.8 from skull 15-16	22-23 av. 22.4 22-24	55-60 av. 58.2 52-64)
1866-69. <i>Anthus similis</i> subsp.				
Male <i>decaptus</i> (9)	89-103 av. 98.66 (IH 94-105)	14-17 av. 15.2 from skull c. 20	26-30 av. 28 --	70-90 av. 82.1 80-91)
<i>jerdoni</i> (12)	94-104 av. 98.6 (IH 97-105)	15.7-17.5 av. 16.1 from skull 19-21	27.5-29.5 av. 28.7 28-30	75-87 av. 81.5 80-91)
<i>travancoriensis</i> (2)	91, 98 (IH 90-96)	16, 16.7 from skull 19-21	29, 29 26-28	75, 75 72-79)
Male <i>decaptus</i> (10)	94-101 av. 97.2 (IH 95-101)	15.5-17.5 av. 16.2 from skull c. 20	28.2-30 av. 28.9 --	80-86 av. 82.7 80-87)
<i>jerdoni</i> (6)	93-98 av. 95.1 (IH 95-99)	15-16.5 av. 16 from skull 19-21	27.2-30 av. 28.6 28-30	75-85 av. 80.5 80-88)
1870. <i>Anthus nilghiriensis</i>				
Male (6)	74-80 av. 77 (IH 76-81)	12.1-13.5 av. 12.8 from skull 15-17	25-27.1 av. 26.1 24-27	58-65 av. 62.3 53-66)

	Wing	Bill	Tarsus	Tail
Female (4)	70-74 av. 72.2 (IH 73-82)	12.4-12.7 av. 12.5 from skull 14-16	25-27 av. 25.7 24-27	56-60 av. 58.2 52-67)
1871-72. <i>Anthus spinoletta</i> subsp.				
Male				
<i>coutellii</i> (12)	85-96 av. 90 (IH 88-96)	12.5-14.2 av. 13.3 from skull 16-18	22-24.5 av. 23.5 23-24	61-70 av. 65.6 59-66)
<i>japonicus</i> (1)	93 (IH 86-91)	13.8 from skull 15-17	24.3 22-25	72 54-62)
Female				
<i>coutellii</i> (13)	80-92 av. 85.3 (IH 83-90)	12.2-13.8 av. 12.9 From skull 16-18	22-25 av. 23.2 23-24	55-66 av. 61 56-61)
1873. <i>Anthus sylvanus</i>				
Male (10)	78-84 av. 80.3 (IH 78-84)	12.5-14.5 av. 13.2 from skull 16-18	24-25.5 av. 24.7 24-25	60-75 av. 67.3 59-70)
Female (6)	72-81 av. 77.6 (IH 74-80)	12.2-13.7 av. 12.9 from skull 16-18	23.5-25.2 av. 24.3 24-25	65-69 av. 66.7 56-69)
1874. <i>Motacilla indica</i>				
Male (8)	76-84 av. 80.5 (IH 79-83)	12-14.1 av. 13.6 from skull 16-18	21.5-23 av. 22.2 23-24	67-73 av. 69.8 69-77)
Female (6)	77-81 av. 79 (IH 76-82)	12-14.5 av. 13.3 from skull 16-17	21-22.8 av. 21.8 c. 22	66-68 av. 66.8 68-71)
1875-1880. <i>Motacilla flava</i> subsp. & ELs				
Male				
<i>thunbergi</i> (22)	76-86 av. 81.5 (IH 81-85)	11.1-13.1 av. 12.2 from skull 15-16	22.5-26.6. av. 23.6 23-24	64-72 av. 69.3 71-77)
<i>simillima</i> (3)	75, 83, 84 (IH 78, 83)	12.1, 12.7, 13.8 from skull 14, 16	23, 23.5, 24.5 24	62, 70, 71 69)
<i>beema</i> (15)	77-82 av. 80.4 (IH 78-84)	11-13.2 av. 12 from skull 15-16	22-25 av. 23.5 22-25	65-72 av. 68.4 67-73)
<i>melanogrisea</i> (21)	76-88 av. 89.9 (IH male, female 75-85)	11-13.5 av. 12.4 from skull 16-18	22.5-26 av. 24 23-24	65-76 av. 68.6 64-76)
EL- <i>flava</i> (2)	78, 85 (BHB 80-84)	13, 13.1 from skull 13-15	23.5, 23.5 22-24	65, 74 69-76)
EL- <i>dombrowskii</i> (6)	77-83 av. 79.8	11.7-12.6 av. 12.1	21-24.3 av. 22.8	63-71 av. 67.6
Female				
<i>thunbergi</i> (16)	75-83 av. 79 (IH 70-80)	11.5-13.5 av. 12.5 from skull 15-16	22-24 av. 23.3 22-25	63-72 av. 67.2 70-71)

	Wing	Bill	Tarsus	Tail
<i>simillima</i> (4)	75-79 av. 77.5 (IH 78, 78)	11.5-13.2 av. 12.2 from skull 14, 16	23-24.5 av. 23.7 23	64-72 av. 67 66, 67)
<i>beema</i> (20)	74-80 av. 77 (IH 77-88)	11-12.5 av. 11.9 from skull 15-16	21.2-24.5 av. 23.2 22-23	62-69 av. 65.4 67-71)
<i>melanogrisea</i> (11)	75-80 av. 77.5	11.5-14 av. 12.4	22-25 av. 23.2	62-71 av. 66.4
EL- <i>flava</i> (2)	72, 75 (BHB 76-82)	10.5, 12	22.5, 22.5	63, 65
EL- <i>compestris</i> (2)	82, 82	11, 11	24.5, 25	70, 72
EL- <i>dombrowskii</i> (2)	75, 77	12, 12	22, 23.5	65, 67
1881-83. <i>Motacilla citreola</i> subspp.				
Male				
<i>citreola</i> (14)	80-85 av. 82.8 (IH 81-86)	12-14.5 av. 12.6 from skull 15-17	23-27 av. 25.1 23-27	67-78 av. 71.5 71-84)
<i>werae</i> (14)	75-89 av. 82.6 (IH 75-86)	11.5-13.7 from skull 15-17	22-27.5 av. 24.5 23-26	67-80 av. 71.9 69-75)
<i>calcarata</i> (13)	80-87 av. 85 (IH 80-88)	12-13.7 av. 13 from skull 18-19	24.5-28 av. 26.4 26-28	66-78 av. 72.6 68-84)
Female				
<i>citreola</i> (9)	75-89 av. 81.2 (IH 83-84)	11.5-14 av. 12.7 from skull 15-17	22-26 av. 24.2 23-27	65-79 av. 70 79-80)
<i>werae</i> (8)	77-86 av. 80.1 (IH 72-79)	12-13.5 av. 12.9 from skull 15-17	23-26.5 av. 25 23-26	67-74 av. 69.8 —)
<i>calcarata</i> (2)	78, 83 (IH 77-81)	13, 14 from skull 18-19	26.5, 26.5 26-28	60, 70 66-80)
1884. <i>Motacilla caspica caspica</i>				
Male (37)	77-88 av. 83.1 (IH 81-87)	11-14 av. 12.3 from skull 15-17	17.5-25 av. 21.2 18-22	64-69 av. 87.3 88-98)
Female (18)	79-87 av. 81.2 (IH 78-84)	10.5-13.7 av. 11.7 from skull 15-17	19-22.1 av. 20.4 18-22	80-93 av. 87.7 80-97)
1885-90. <i>Motacilla alba</i> subspp. & ELs				
Male				
<i>dukhunensis</i> (27)	82-95 av. 88.5 (IH 87-96)	11.5-14.5 av. 12.4 from skull 15-16	21.6-26.2 av. 23.8 23-25	82-92 av. 85.6 82-96)
<i>personata</i> (15)	87-98 av. 91.6 (IH 90-98)	11.7-13.8 av. 13.1 from skull 16-18	22.5-25.5 av. 24.2 --	80-100 av. 87.4 93-102)
<i>alboides</i> (18)	86-101 av. 92.8 (IH 90-105)	12.5-15 av. 13.8 from skull 18-19	23-26 av. 24.5 23-25	83-97 av. 88.5 87-97)
<i>leucopsis</i> (3)	88, 91, 95 (IH 87-96)	13.5, 13.5, 14.5 from skull 17-18	23, 23.8, 26 --	78, 82, 88 85-93)

	Wing	Bill	Tarsus	Tail
<i>ocularis</i> (2)	92, 93 (IH 92-101)	11.5, 12.5 from skull 16-18	24, 24.5 --	82, 85 93-99)
<i>baicalensis</i> (14)	83-94 av. 89.4 (IH 93-100)	11-13.2 av. 12.2 from skull 16-18	22.5-26 av. 24.1 c. 24	78-92 av. 85.2 88-98)
EL- <i>alba</i> (3)	87, 90, 97 (BHB 87-96)	12.1, 13, 14 from skull 13-15	23, 24.5, 25 23.5-26	86, 87, 89 85-93)
EL- <i>lugens</i>	96	13.5	23	91
Female <i>dukhunensis</i> (7)	84-91 av. 88.5 (IH 83-92)	11.1-12.8 av. 11.8 from skull 15-16	22-24 av. 23.3 20-22	78-86 av. 83.3 81-93)
<i>personata</i> (17)	85-97 av. 90.8 (IH 87-95)	12-14.5 av. 13 from skull 16-17	23.5-26 av. 24.6 --	81-93 av. 88.2 84-100)
<i>alboides</i> (2)	89, 90 (IH 87-95)	13.2, 13.3 from skull 18-19	25, 25 --	85, 88 84-94)
<i>leucopsis</i> (4)	85-95 av. 90 (IH 85-91)	11.5-14.2 av. 12.8 from skull 17-18	24-24.5 av. 24.1 --	85-90 av. 86.5 82-92)
<i>baicalensis</i> (10)	81-94 av. 86.5 (IH 86-96)	11-12.6 av. 11.9 from skull 16-18	22.5-24.5 av. 23.4 c. 24	81-90 av. 85.9 88-94)
1891. <i>Motacilla maderaspatensis</i>				
Male (17)	94-101 av. 97.7 (IH 91-103)	14.5-17.5 av. 15.5 from skull 19-20	25-28 av. 27.1 27-28	95-104 av. 98.8 93-107)
Female (9)	90-99 av. 93.3 (IH 88-103)	13.5--15.7 av. 14.8 from skull 18-20	25-28 av. 26.6 26-28	85-103 av. 94.6 90-103)

(to be continued)